



INTRO TO OUTLINING THE INTERIM REPORT

Aki Roberge (NASA GSFC)

LUVOIR STDT Meeting 4

JPL, Pasadena CA

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Interim report schedule (in reverse order)

Action	Date / Duration	Comments
Deliver interim report to HQ	Early Dec 2017	
Revise whole report and finalize	Month of Nov	Make it pretty
Reviews	Month of Oct	Senior advisors, Aerospace Corp, GSFC red team
Deliver complete “reviewer’s draft”	Oct 1, 2017	
STDT review of whole report	Mid Sept?	At STDT meeting #6
Finalize complete “reviewer’s draft”	Month of Sept	Make it complete and uniform
Individual writing assignments due	Mid Aug	
Assess report progress	July?	At STDT meeting #5 (joint w/ HabEx)
Writing !	3.5 months	
Finalize report outline	Late April	Start at STDT meeting #4

General thoughts

We haven't received any guidance yet from HQ about the report content / format / length.

So let's decide what we *want* to do.

Here are some ideas ... for the science chapters, I grabbed titles from the Astro Roadmap as a starting point.

Variations in order to incorporate Solar System science.

Let's focus on the chapters first.

In breakout sessions, each group can start laying out sections.

Draft 0 interim report outline (1/4)

1. Executive Summary

Keep it short & inspirational.

2. Introduction

Overview of whole report. State of the field in 2030s (joint w/ HabEx) ?

3. Are We Alone?

State of the field in exoplanets in 2030s? Habitable worlds & biosignatures, ocean worlds of the Solar System.

4. Are We Unusual?

Comparative (exo)-planetology, Solar System workings.

Draft 0 interim report outline (2/4)

5. How Did We Get Here?

Astrophysics, planet formation and history of the Solar System

6. How Does the Universe Work?

Electromagnetic counterparts to gravity wave sources. We haven't developed this science case yet, but maybe we should.

7. The LUVOIR Telescopes

A. Architecture A Progress

B. Architecture B Plans

Draft 0 interim report outline (3/4)

8. The LUVOIR Instruments
 - A. UV-Optical-NIR Coronagraph
 - B. LUVOIR UV Multi-Object Spectrograph (LUMOS)
 - C. High-Definition Imager (HDI)
 - D. Optical-NIR Spectrograph (ONIRS)
9. POLLUX: European Instrument Study of a UV Spectropolarimeter
10. LUVOIR Technology Development

Draft 0 interim report outline (4/4)

11. Conclusion : LUVOIR Cycle 1

12. Appendices

Detailed science performance calculations?

Questions to ponder

Anything missing?

Make more GA science chapters.

How's the flow?

How long do we think the whole report should be?

We need a report title that captures the whole story.